

Purchase Order Receipt Listing

Friday, July 17, 2015 1:49:17 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO29142 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Reev Date/ Reev Emp	Reev Qty (PO U/M)	Cost Per Unit/ Reev Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-MAR001 Marmon/Keystone Canada Ltd.											
PO29142	1		M303R0.500	f	7/17/2015	7/17/2015	24.0000	\$1.18	0.0000	0	\$28.25
CAD	No		303 Round Bar 0.500"	f	24.0000	DCUSER		\$28.25	0.0000	0	
			m132775								
	2		M303R0.750	f	7/17/2015	7/17/2015	24.0000	\$2.64	0.0000	0	\$63.41
	No		303 Round Bar 0.750	f	24.0000	DCUSER		\$63.41	0.0000	0	
			m132775								
	3		M304TR0.750W.049	f	7/17/2015	7/17/2015	80.0000	\$1.60	0.0000	0	\$128.10
	No		304 RD Tube .750 x .049W	f	80.0000	DCUSER		\$128.10	0.0000	0	
			m132775								
	4		M304TR0.500W.035	f	7/17/2015	7/17/2015	20.0000	\$0.88	0.0000	0	\$17.61
	No		304 RD Tube .500 x .035W	f	20.0000	DCUSER		\$17.61	0.0000	0	
			m132775								
	5		71401-45		7/17/2015	7/17/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No		Procurement Quality Clause		1.0000	DCUSER		\$0.00	0.0000	0	
			m132775								

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:

149.0000
0.0000
0.0000
\$237.36
0.0000

SHIPPED TO:

290 Chemin du Tremblay
 Boucherville QJ CAN J4B 5X5
 TEL. 514/527-9153
 FAX. 450/641-4357

Marmon/Keystone Canada Inc.



ACIERS SPÉCIALISÉS

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY ON CAN K6A 1K7

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY ON CAN K6A 1K7

SHIP VIA.....: TST OVERLAND #222212
 F.O.B.....: BOUCHERVILLE
 YOUR ORDER NO.....: P029142

SALESPERSON.....: C. Gee

Ordered	Description	Number	Quantity	Back
01	STAINLESS ROUND BAR SBR .500 Tariff Number: 7222.20.00.92 CD 303 Cust. part#: M303R0.500 HT#.....: 33762 Total.....	2	24/FT	24/FT
02	STAINLESS ROUND BAR SBR .750 Tariff Number: 7222.20.00.92 CD 303 Cust. part#: M303R0.750 HT#.....: T1D9 Total.....	2	24/FT	24/FT
03	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 3/4 X .049 A213 STS .750 .049 304L Cust. part#: M304TR0.750W.049 HT#.....: Y1140120 Total.....	4	80/FT	80/FT
04	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Cust. part#: M304TR0.500W.035 HT#.....: YX1305-692 Total.....	1	20/FT	20/FT
Fax all papers to Linda Lacelle 613-632-1053 rev:01/11 GD				

Packaging: Total Weight: 84.9

Customers..:

VIRAJ

VIRAJ PROFILES LIMITED

Regd & Mktg Office: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506. E-Mail: sales@viraj.com
Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASHTRA, INDIA, viraj@viraj.com

TEST CERTIFICATE

CUSTOMER FIDELITY PAC METALS LTD. 1303 North Service Rd East, Unit 1, Oakville ON P03103
L6H 1A7
CANADA
BUNDLE NO : 1100194847
DESCRIPTION STAINLESS STEEL BRIGHT BARS
SIZE 1/2" **SHAPE** ROUND **TOLERANCE** ASTM A484 12" - 14" **LENGTH** 101 **PIECES** 820,000 LB **WEIGHT**
DATE 13.07.2014 **HEAT No** 33762 **GRADE** T-303 **PACKING LIST NO** 100004059127 **INSPECTION NO** 51/974294/3 **ORDER NO** P03103

COLD DRAWN POLISHED - 2H

DAS
14
9-89
1507/20

CHEMICAL ANALYSIS

%C %Mn %Si %S %P %Cr %Ni %Cu %Mo %Co %N2

0.0470 1.910 0.470 0.3050 0.0330 17.400 8.100 0.550 0.320 0.160 0.03600

TEST RESULTS

0.2% yield strength ksi	Tensile strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
94.0	108.0	38.0	57.0	218.0	7.0

SPECIFICATION:

MATERIAL CONFORMS TO DIN 10088-3-2005 COND-A & ASTM A 582/A582M-13 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5640R TYPE I, EXCEPT MARKING, Q&S-764BA2 COND A, EXCEPT MARKING, UNS-S-30300 ASTM A314-2008, ASTM A320/A320M-11a B8F CLASS 1, ASME SA 320 B8F CL1 MIL-S-862 B GRADE AISI 303 & WNR 1.4303. CERTIFIED AS PER EN 10204-3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MELT SOURCE: AOD, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR
K R K MURTHY



O.C. Reviewed
5/10/31/14



740 Imperial Road North

Certificate: 37287 17
Customer: 007080 003

Ship To:
MARCON KEYSTONE CANADA, INC.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B5X9

Date: 3/03/2015 Page: 1

Steel: 303
Finish: CD

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

Your Order: MN4604

NAS Order: IN 0206619 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12, EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

14/07/20
NAS
14/07/20
9-88

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BG9837 9		.7500		833	144.00	6	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
T1D9	US	.0415	.2285	17.1590	.3805	1.7955	.3075	.0361	8.3065	.0300
	S %		SI %							
		.3233	.4415							

MECHANICAL PROPERTIES

Product Id	1 d	o i	HB	.2YS	UTS	RA	Elong
BG9837 9	R L	172.0		74.64	106.10	27.68	18.86

Q.P. Reviewed
SK03/24/15

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHIJEET BHAVE 3/03/2015



SHANGHAI CRYSTAL PALACE PIPE CO., LTD

LAO GANG, PUDONG NEW AREA DISTRICT, SHANGHAI, CHINA

MILL TEST CERTIFICATE

CRYSTAL-PALACE

ISO9001:2008 PED Material CERTIFICATE (No.:QAC0021058/A) DATE OF ISSUE: 2015/05/02

CUSTOMER: MARMON/KEYSTONE CANADA INC.										CERTIFICATE NO :2015-1-8-A-4	
P O NO BN4551										ORDER NO.:2015-01-008-A	
COMMODITY: STAINLESS STEEL SEAMLESS TUBING										GRADE: ASTM-A213-13/ASME SA213-13 TP304/TP304L	
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END / OD POLISHED 400 GRIT										HEAT NO.: YT140120	
CHEMICAL CONTENTS (WT%)											
ELEMENTS		C	Mn	P	S	Si	Ni	Cr			
SPECIFICATION		≤ 0.035	≤ 2.00	≤ 0.040	≤ 0.030	≤ 0.75	8.0~11.0	18.0~20.0			
RESULTS (LADLE)		0.027	1.04	0.039	0.004	0.41	8.07	18.10			
PHYSICAL PROPERTIES											
Dimensions		Weight	Pieces	Bundle No	0.2%YS	T S	EL	FLATTENING	HARDNESS	EDDY	
O D	W T	(kg)			(Mpa)	(Mpa)	(%)	TEST	HRB	CURRENT	
(inch)	(inch)				≥ 205	≥ 515	≥ 35	TEST	≤ 80	TEST TO E426	
										(100%)	
0.750	0.049	168	50	Z15-2-80	295	680	62.5	OK	75	OK	(DRILLED HOLE)
REMARKS:											
AS PER ASTM A213-13/ASME SA213-13											
WALL THICKNESS TOLERANCE AS PER ASTM A269-13											
IN COMPLIANCE TO NACE MR0175-2003											
IC TEST TO ASTM A262 PRACTICE E											
SOLUTION HEAT TREATMENT: 1050°C X 1.5m/min											
NO WELD REPAIR WAS PERFORMED											
FREE FROM MERCURY CONTAMINATION											
COUNTRY OF ORIGIN: CHINA											
MILL TEST CERTIFICATE TO EN 10204/3.1											
INVOICE NO: YK-15-04-59											
MANAGER OF QUALITY ASSURANCE DEPARTMENT / DING WEI-GUO											

QC REVIEW
JUN 10 2015

Dingweiguo



SHANGHAI CRYSTAL PALACE PIPE CO., LTD

LAO GANG, PUDONG NEW AREA DISTRICT, SHANGHAI, CHINA

MILL TEST CERTIFICATE

CRYSTAL-PALACE

ISO9001:2008 ; PED Material CERTIFICATE (No.: QAC0021058/A) DATE OF ISSUE: 2013/11/3

CUSTOMER: MARMON/KEystone CANADA INC.										CERTIFICATE NO.: 2013-7-17-E-1	
P.O.NO.: BN3759										ORDER NO.: 2013-07-017-E	
COMMODITY: STAINLESS STEEL SEAMLESS TUBING										GRADE: ASTM A213-11a/ASME SA213-10 TP304/TP304L	
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END										HEAT NO.: YX1305-692	
CHEMICAL CONTENTS (WT%)											
ELEMENTS		C	Mn	P	S	Si	Ni	Cr			
SPECIFICATION		≤0.035	≤2.00	≤0.040	≤0.030	≤0.75	8.0~11.0	18.0~20.0			
RESULTS (LADLE)		0.019	0.67	0.028	0.001	0.40	8.07	18.36			
PHYSICAL PROPERTIES											
Dimensions		Bundle No.	Pieces	Weight (kg)	0.2%YS (Mpa)	T S (Mpa)	EL (%)	FLARING TEST	FLATTENING TEST	HARDNESS HRB	EDDY CURRENT TEST TO E426 (100%)
O.D (inch)	W.T (inch)	Length (feet)									
0.375	0.035	20	1250	1457	320	640	61.5	OK	OK	74	OK (DRILLED HOLE)
0.500	0.035	20	500	797	265	655	65.5	OK	OK	70	OK (DRILLED HOLE)
REMARKS: AS PER ASTM A213-11a/ASME SA213-10 WALL THICKNESS TOLERANCE AS PER ASTM A269-10 IN COMPLIANCE TO NACE MR0175-2003 IC TEST TO ASTM A262 PRACTICE E SOLUTION HEAT TREATMENT : 1050°C X 1.5m/min NO WELD REPAIR WAS PERFORMED FREE FROM MERCURY CONTAMINATION COUNTRY OF ORIGIN: CHINA MILL TEST CERTIFICATE TO EN 10204/3.1 INVOICE NO: YK-13-11-13											
1.WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND THE TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT 2.THE CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. SHANGHAI CRYSTAL PALACE PIPE CO.,LTD											
QC REVIEWED DEC 18 2013											
MANAGER OF QUALITY ASSURANCE DEPARTMENT / DING WEI-GUO											



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29142
Purchase Order Date 7/15/2015
PO Print Date 7/15/2015
Page Number 1 of 2

Order From : VC-MAR001
MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name	Vendor Phone	800 361 8142
Ship To Contact	Ship To Phone	
Ship Via:		TST ground
Ship Acct:		
Buyer	Customer POID	10127-2607
Customer Tax #	Terms	Net 30
Currency	FOB	Destination-Collect
Buyer		Linda Lacelle

Line	Reference	Description/	Reg Date/	CD	Reg Qty/	Unit of	Measure	PO Unit Price	Extended
Nbr	Vendor Part Number	Mfg ID	Taxable					Price	Price
Line Comments									
Delivery Comments									

1	M303R0.500	303 Round Bar 0.500"	7/17/2015	Yes	24.00	f		\$1.47	\$35.28
PURCHASE MATERIAL: AISI 303 SS ROUND BAR (NOTE: AISI 304/316 NOT ACCEPTABLE) SPECIFICATION: ASTM A582									
Line Total: \$35.28									

2	M303R0.750	303 Round Bar 0.750	7/17/2015	Yes	24.00	f		\$3.30	\$79.20
as above									
Line Total: \$79.20									

3	M304TR0.750W.049	304 RD Tube .750 x .049W	7/17/2015	Yes	80.00	f		\$2.00	\$160.00
PURCHASE MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING SPECIFICATION: ASTM A213 OR ASME SA213 OR ASTM A269									
Line Total: \$79.20									

Note:

7/15/2015

80150717

PURCHASE ORDER

Purchase Order ID PO29142

Purchase Order Date 7/15/2015

PO Print Date 7/15/2015

Page Number 2 of 2



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

Order From : VC-MAR001
MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name Vendor Phone 800 361 8142
Ship To Contact Ship To Phone Ship Via: TST ground
Ship Acct:

Line Total: \$160.00

4 M304TR0.500W.035 304 RD Tube .500 x .035W 7/17/2015 Yes 20.00 \$1.10 \$22.00

as above

Line Total: \$22.00

5 71401-45 Procurement Quality Clause 7/17/2015 No 1.00 \$0.00 \$0.00

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$296.48

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2 Change Date: 7/15/2015

SOU MISSION/QUOTATION

Territory: 16T

Telephone: 613 632 9577
Fax: 613 632 1053

Ship To:

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

Salesperson
C. Gee

Your Reference No.

Sold To:

LINDA LACELLE

HAWKESBURY

DART AEROSPACE LTD
1270 ABERDEEN STREET

Ship Via

TST OVERLAND #222212

Terms

TOUTE VENTE EST ASSUJETTE AUX CONDITIONS GÉNÉRALES DE MARMION KEYSTONE CANADA ET CELLES-CI PEUVENT ÊTRE TROUVÉES À L'ADRESSE WWW.MKCANADA.COM

ALL SALES ARE SUBJECT TO MARMION KEYSTONE CANADA INC.'S TERMS AND CONDITIONS OF SALE THAT CAN BE FOUND AT WWW.MKCANADA.COM

Nous vous remercions de votre demande de prix et il nous fait plaisir de vous soumettre les renseignements. / We thank you for your inquiry and take pleasure in quoting on your requirements as follows:

Quantité/ Quantity	Description	Jours Livraison Days	Prix Pricing
-----------------------	-------------	-------------------------	-----------------

Line - 1	24 FT	STAINLESS ROUND BAR A582	SBR .500	303	1	1.470/FT	35.28
----------	-------	--------------------------	----------	-----	---	----------	-------

Line - 2	24 FT	STAINLESS ROUND BAR A582	SBR .750	CD	303	3.300/FT	79.20
----------	-------	--------------------------	----------	----	-----	----------	-------

Line - 3	80 FT	STAINLESS STEEL SEAMLESS TUBE A/SA213 AW, OD POL.320/400	STS .750	304L	1	2.000/FT	160.00
----------	-------	--	----------	------	---	----------	--------

Line - 4	20 FT	STAINLESS STEEL SEAMLESS TUBE A/SA213 AW, OD POL.320/400	STS .500	304L	1	1.100/FT	22.00
----------	-------	--	----------	------	---	----------	-------

Energy Surcharge 19.95

Taxes applicables: En sus/ All applicable taxes Extra:
Tarifs douaniers/ Duty

Les prix soumis sont en fonds canadiens sauf si précisé autrement/
All prices quoted in Canadian Dollars unless otherwise stated.

Montant total/
Total Amount...: 316.43

Poids total/
Total weight...: 84.9 lbs



Services de distribution Marmion/La société Berkshire Hathaway

290 CHEMIN DU TREMBLAY BOUCHERVILLE, QU J4B 5X9
Tél: 514 527-9153 Fax: 514 527-9153
E-mail: cgee@mkcdn.com

Confirmation de la Commande/Order Confirmation

ATTN.: DART AEROSPACE LTD

Sold To: DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN K6A 1K7
HAWKESBURY
Ship To: DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN

EXPEDIE PAR/SHIP VIA		FAX: 514 527 9153		Telephone: 514 527 9153	
1162249		BOUCHERVILLE		MARMON/KEYSTONE #	
DATE DE LA COMMANDE/ORDER DATE		TER / TER		16T	
07/15/2015		C. Gee		P029142	

Quantité/Quantity	Description	ETA	Prix/Price	Montant/Amount
Line - 1 24 FT	STAINLESS ROUND BAR A582 SBR .500 CD CUST. PART#: M303R0.500	07/16/2015	1.470/FT	35.28
Line - 2 24 FT	STAINLESS ROUND BAR A582 SBR .750 CD CUST. PART#: M303R0.750	07/16/2015	3.300/FT	79.20
Line - 3 80 FT	STAINLESS STEEL SEAMLESS TUBE A/SA213 AW, OD POL.320/400 STS .750 .049 CUST. PART#: M304TR0.750W.049	07/16/2015	2.000/FT	160.00
Line - 4 20 FT	STAINLESS STEEL SEAMLESS TUBE A/SA213 AW, OD POL.320/400 STS .500 .035 CUST. PART#: M304TR0.500W.035	07/16/2015	1.100/FT	22.00
Energy Surcharge Thank you Linda!				
				19.95
				Montant Total/ Total amount: 316.43
				Poids Total/ Total weight: 84.9 lbs

Merci pour votre commande / We thank-you for your order

Marmon/Keystone Canada Inc.



290 Chemin du Tremblay
Boucherville Qc CAN J4B 5X9
TEL. 514/527-9153
FAX. 450/641-4357

PACKING SLIP

PAGE.: 1
Order : 1162249
Date...: 07/16/2015

SHIPPED TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN K6A 1K7

SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN K6A 1K7

SHIP VIA.....: TST OVERLAND #222212
P.O.B.....: BOUCHERVILLE
YOUR ORDER NO.....: F029142

SALESPERSON.....: C. Gee

Ordered	Description	Number	Quantity	Back
01	STAINLESS ROUND BAR SBR .500 CD 303 Tariff Number: 7222.20.00.92 Cust. part#: M303R0.500 HT#.....: 33762 Total...	2	24/FT	24/FT
02	STAINLESS ROUND BAR SBR .750 CD 303 Tariff Number: 7222.20.00.92 Cust. part#: M303R0.750 HT#.....: T1D9 Total...	2	24/FT	24/FT
03	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 3/4 X .049 A213 STS .750 .049 304L Cust. part#: M304TR0.750W.049 HT#.....: Y7140120 Total...	4	80/FT	80/FT
04	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Cust. part#: M304TR0.500W.035 HT#.....: YX1305-692 Total...	1	20/FT	20/FT
Total Weight.....: 84.9				

Packaging:

Total Weight.....: 84.9

Customers..:

A Marmon Distribution Services/Berkshire Hathaway Company

VIRAJ PROFILES LIMITED

Regd & Mktg. G-33 & 34, MIDC, Industrial Area, Talspur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com
 Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgarh, Dist: Thane-401501, MAHARASHTRA, INDIA, viraj@viraj.com

TEST CERTIFICATE

CUSTOMER FIDELITY PAC METALS LTD. 1303 North Service Rd East, Unit 1, Oakville ON L6M 1A7 CANADA
BUNDLE NO : 1100194847
DESCRIPTION STAINLESS STEEL BRIGHT BARS
SIZE 1/2" **SHAPE** ROUND **TOLERANCE** 12 - 14" **LENGTH** 101 **PIECES** 820,000 LB **WEIGHT**
ORDER NO P03103 **PACKING LIST NO** 51/974294/3 **INSPECTION NO** 10004059127 **GRADE** T-303 **HEAT NO** 13.07.2014 **DATE** 33762

COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1/2"	ROUND	ASTM A484	12 - 14"	101	820,000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Ca	%N2
0.0470	1.910	0.470	0.3050	0.0330	17.400	8.100	0.550	0.320	0.160	0.03600

TEST RESULTS

0.2% yield strength ksi	Tensile strength ksi	Elongation %	Reduction of Area %	Hardness BHN	Grain Size NOS
94.0	108.0	38.0	37.0	218.0	7.0

SPECIFICATION:

MATERIAL CONFORMS TO DIN 10084, 1.3005 COND-A & ASTM A 302/A320M-13 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5608 TYPE I, EXCEPT MARKING, Q05-764B3 COND A, EXCEPT MARKING, UNS-S-30308 ASTM A314-2008, ASTM A320/A320M-11 B8F CLASS 1, ASME SA 320 B8F, CL1 ML-S-862 B GRADE AISI 303 & WNR 1.4303, CERTIFIED AS PER EN 10204, 3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACROGOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MELT SOURCE:AD, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

O.C. Reviewed
 SK10/31/14

WORKS INSPECTOR
 K R K MURTHY



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 37287 17

Ship To:

Customer: 007080 003
MARCON KEYSTONE CANADA, INC.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B5X9

Date: 3/03/2015 Page: 1
Steel: 303
Finish: CD
Corrosion:

Your Order: MN4604

NAS Order: IN 0206619 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-754H CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BC9837 9		.7500		833	144.00	5	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
TID9	US	.0415	.2285	17.1590	.3805	1.7955	.3075	.0361	8.3065	.0300
		S %	SI %							
		.3233	.4415							

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB	.2YS KSI	UTS KSI	RA %	Elong % 4D
BC9837 9	RL	172.0	74.64	106.10	27.6B	18.86

Q.9. Reviewed
Sho/24/15

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHIJEET BHAVE

3/03/2015

Marmon/Keystone Canada Inc. MK#-1162249 Item-SER 750 CD 303 Heat #-TID9



SHANGHAI CRYSTAL PALACE PIPE CO., LTD

LAO GANG, PUDONG NEW AREA DISTRICT, SHANGHAI, CHINA

CRYSTAL-PALACE

MILL TEST CERTIFICATE

ISO9001:2008 PED Material Certificate (No.: QAC0021058/A) DATE OF ISSUE: 2015/05/02

CUSTOMER: MARMON/KEYSTONE CANADA INC.		CERTIFICATE NO: 2015-1-8-A-4	
P O NO BN4551		ORDER NO. 2015-01-008-A	
COMMODITY: STAINLESS STEEL SEAMLESS TUBING		GRADE: ASTM A213-13/ASME SA213-13 TP304/TP304L	
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END / OD POLISHED 400 GRIT		HEAT NO.: YT140120	
CHEMICAL CONTENTS (WT%)			
ELEMENTS			
C			
Mn			
P			
S			
Si			
Ni			
Cr			
SPECIFICATION			
RESULTS (LADLE)			
C			
Mn			
P			
S			
Si			
Ni			
Cr			
SPECIFICATION			
RESULTS (LADLE)			
C			
Mn			
P			
S			
Si			
Ni			
Cr			
PHYSICAL PROPERTIES			
T S			
E L			
FLATTENING TEST			
HARDNESS HRB			
EDDY CURRENT TEST TO E426 (100%)			
OK			
(DRILLED HOLE)			
REMARKS:			
AS PER ASTM A213-13/ASME SA213-13			
WALL THICKNESS TOLERANCE AS PER ASTM A269-13			
IN COMPLIANCE TO NACE MR0175-2003			
IC TEST TO ASTM A262 PRACTICE B			
SOLUTION HEAT TREATMENT: 1050°C X 1.5hr/min			
NO WELD REPAIR WAS PERFORMED			
FREE FROM MERCURY CONTAMINATION			
COUNTRY OF ORIGIN: CHINA			
MILL TEST CERTIFICATE TO EN 10204/3.1			
INVOICE NO: YK-15-04-59			
MANAGER OF QUALITY ASSURANCE DEPARTMENT / DING WEI-GUO			
JUN 10 2015			



SHANGHAI CRYSTAL PALACE PIPE CO.,LTD

LAO GANG, PUDONG NEW AREA DISTRICT, SHANGHAI, CHINA

CRYSTAL-PALACE

MILL TEST CERTIFICATE

ISO9001:2008 ; PED Material CERTIFICATE (No.: QAC0021058/A) DATE OF ISSUE: 2013/11/3

CUSTOMER: MARMON/KEYSTONE CANADA INC.		CERTIFICATE NO.: 2013-7-17-E-1										
P.O.NO.: BN3759		ORDER NO.: 2013-07-017-E										
COMMODITY: STAINLESS STEEL SEAMLESS TUBING		GRADE: ASTM A213-11a/ASME SA213-10 TP304/TP304L										
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END		HEAT NO.: YX1305-692										
CHEMICAL CONTENTS (WT%)												
ELEMENTS		C	Mn	P	S	Si	Ni	Cr				
SPECIFICATION		≤0.035	≤2.00	≤0.040	≤0.030	≤0.75	8.0~11.0	18.0~20.0				
RESULTS (LADLE)		0.019	0.67	0.028	0.001	0.40	8.07	18.36				
PHYSICAL PROPERTIES												
Dimensions		Bundle No.		Pieces	Weight (kg)	0.2%YS (Mpa)	T S (Mpa)	EL (%)	FLATTENING TEST	FLARING TEST	HARDNESS HRB	EDDY CURRENT TEST TO E426 (100%)
O.D (inch)	W.T (inch)	Length (feet)										
0.375	0.035	20	G13-9-166		1250	1457	320	640	61.5	OK	74	OK (DRILLED HOLE)
0.500	0.035	20	P13-10-88		500	797	265	655	65.5	OK	70	OK (DRILLED HOLE)
REMARKS:												
AS PER ASTM A213-11a/ASME SA213-10 WALL THICKNESS TOLERANCE AS PER ASTM A269-10 IN COMPLIANCE TO NACE MR0175-2003 IC TEST TO ASTM A262 PRACTICE E SOLUTION HEAT TREATMENT :1050°C X 1.5m/min NO WELD REPAIR WAS PERFORMED FREE FROM MERCURY CONTAMINATION COUNTRY OF ORIGIN: CHINA MILL TEST CERTIFICATE TO EN 10204/3.1 INVOICE NO: YK-13-11-13												
1.WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND THE TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT												
2.THE CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE COMPANY.												
SHANGHAI CRYSTAL PALACE PIPE CO.,LTD												
QC REVIEWED DEC 10 2013												
MANAGER OF QUALITY ASSURANCE DEPARTMENT / DING WEI-GUO												

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO: 29142/143875

THICKNESS ORDERED: 500" RB
THICKNESS RECEIVED: 500" RB
SHEET SIZE ORDERED:
SHEET SIZE RECEIVED:

MATERIAL: H303
DATE: 15/07/20

MATERIAL CERT REC'D: 410
QUANTITY RECEIVED: 24'
QUANTITY INSPECTED: 24'
QUANTITY REJECTED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: DAS 14 9-89	SIGNED OFF BY:
DATE: 15/07/20	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H303 DATE: 15/07/20
 MATERIAL CERT REC'D: 402 QUANTITY RECEIVED: 24' QUANTITY INSPECTED: 24' QUANTITY REJECTED: _____
 THICKNESS ORDERED: .750 RB THICKNESS RECEIVED: .750 RB SHEET SIZE ORDERED: _____ SHEET SIZE RECEIVED: _____
 PO / BATCH NO.: 29142/M132375

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION	
INSPECTED BY: <u>14 9-89</u>	SIGNED OFF BY: _____
DATE: <u>15/07/20</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14 9-89</u>	SIGNED OFF BY: _____	DATE: <u>15/07/20</u>

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUREMETER READING				

Testers located in the Quality Office

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	(Y)	
CORRECT FINISH	(Y)	
CORROSION	(Y)	
CORRECT GRAIN DIRECTION	(Y)	
CORRECT MATERIAL THICKNESS	(Y)	
PHOTO REQUIRED	(Y)	
CORRECT MATERIAL	(Y)	
CORRECT REF # TO LINK CERT	(Y)	
CORRECT MATERIAL IDENTIFICATION	(Y)	
CORRECT M# ON THE MATERIAL	(Y)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	(Y)	
DOES THIS REQUIRE AN EXTRUSION REPORT	(Y)	

Must 4' long 4' deep
will be cut off and used for smaller part.

MATERIAL: <u>H304</u>	DATE: <u>15/07/20</u>
MATERIAL CERT REC'D: <u>400</u>	QUANTITY RECEIVED: <u>20'</u>
QUANTITY INSPECTED: <u>20'</u>	QUANTITY REJECTED: _____
THICKNESS ORDERED: <u>20'</u>	THICKNESS RECEIVED: <u>20'</u>
THICKNESS ORDERED: <u>20'</u>	SHEET SIZE ORDERED: _____
THICKNESS ORDERED: <u>20'</u>	SHEET SIZE RECEIVED: _____
PO / BATCH NO.: <u>29142 / H13275</u>	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H3D4 DATE: 15/07/20

THICKNESS ORDERED: 250X.044U THICKNESS RECEIVED: 250X.044U

SHEET SIZE ORDERED: 250X.044U SHEET SIZE RECEIVED: 250X.044U

MATERIAL CERT REC'D: 44 QUANTITY RECEIVED: 80

QUANTITY INSPECTED: 80 QUANTITY REJECTED: 0

PO / BATCH NO.: 29142/H132775

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS 14 3-09

DATE: 15/07/20

SIGNED OFF BY: _____

DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in